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## **Claims**

What is claimed is:

1. A television enhancement programming language comprising:

an XML head element;

an object element that provides selection of an object;

a property element that specifies an attribute for said object;

a modify-property element that modifies said attribute for said object;

a trigger element that specifies a time to render said object in relation to a video program; and

a television element that specifies a size and position at which said video program may be displayed.

- 2. The television enhancement programming language of claim 1 wherein said attribute specifies a URL associated with said object.
- 3. The television enhancement programming language of claim 1 further comprising:

an action element that provides a name for an action and contains at least one said modify-property element.

4. The television enhancement programming language of claim 1 further comprising:

an action-call element that allows a first action element to call a second action element.

5. The television enhancement programming language of claim 1 further comprising:

a script element that enables the use of a scripting language.

- 6. The television enhancement programming language of claim 1 further comprising:
  - a field element operable to accept user input.
- 7. The television enhancement programming language of claim 1 further comprising:

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an attribute element that provides platform information for said object element.

- 8. The television enhancement programming language of claim 1 further comprising:
  - a timeline element that contains said trigger element and a payload element that defines data embedded in a program broadcast stream.
- 9. The television enhancement programming language of claim 8 further comprising:
  - a component element contained within said payload element.
- 10. The television enhancement programming language of claim 9 wherein said component element specifies a file address.
- 11. The television enhancement programming language of claim 9 wherein said component element specifies an expiration attribute.
- 12. The television enhancement programming language of claim 1 further comprising:
  - a page element that contains said object element and said attribute element.
- 13. The television enhancement programming language of claim 12 further comprising:
  - a timed action-call element that provides a call to an action that is not timed to display of a program.
- 14. A television enhancement file comprising:
  - an XML head element;
- a television element that defines an area on a television screen where a television program may be displayed;
  - an object element;
  - a property element that describes at least one attribute of said object;
  - a modify-property element that modifies said attribute for said object;
  - a trigger element that specifies when said object may be rendered; and
  - a television element that specifies a size and position at which a program
- may be displayed.

- 15. The television enhancement file of claim 14 wherein said attribute specifies a URL associated with said object.
- 16. The television enhancement file of claim 14 further comprising: an action element that provides a name for an action and contains at least one modify-property element.
- 17. The television enhancement file of claim 14 further comprising:

  an action-call element that allows a first action element to call a second action element.
- 18. The television enhancement file of claim 14 further comprising:
  a script element that enables the use of a scripting language.
- 19. The television enhancement file of claim 14 further comprising: a field element operable to accept user input.
- 20. The television enhancement file of claim 14 further comprising:
  a timeline element that contains said trigger element and a payload element that defines data embedded in a program broadcast stream.
- 21. The television enhancement file of claim 20 further comprising: a component element contained within said payload element.
- 22. The television enhancement file of claim 21 wherein said component element specifies a file address.
- 23. The television enhancement file of claim 21 wherein said component element specifies an expiration attribute.
- 24. The television enhancement file of claim 14 further comprising:

  a page element that contains said object element and said attribute element.
- 25. The television enhancement file of claim 24 further comprising:
  a timed action-call element that provides a call to an action that is not timed to display of a program.
- 26. The television enhancement file of claim 14 wherein said property element specifies a z order value for at least one of said objects.

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- 27. The television enhancement file of claim 14 further comprising:

  an attribute element that provides platform information for said object element.
- 28. A system for developing television enhancements comprising:
  - a computer;
  - a database; and

an XML compliant television enhancement programming language operable to specify an object element that provides selection of an object, a property element that specifies an attribute for said object, a modify-property element operable to change the attribute for said object, a trigger element that specifies a time to render said object in relation to a program, and a television element that specifies a size and position at which a program may be displayed.